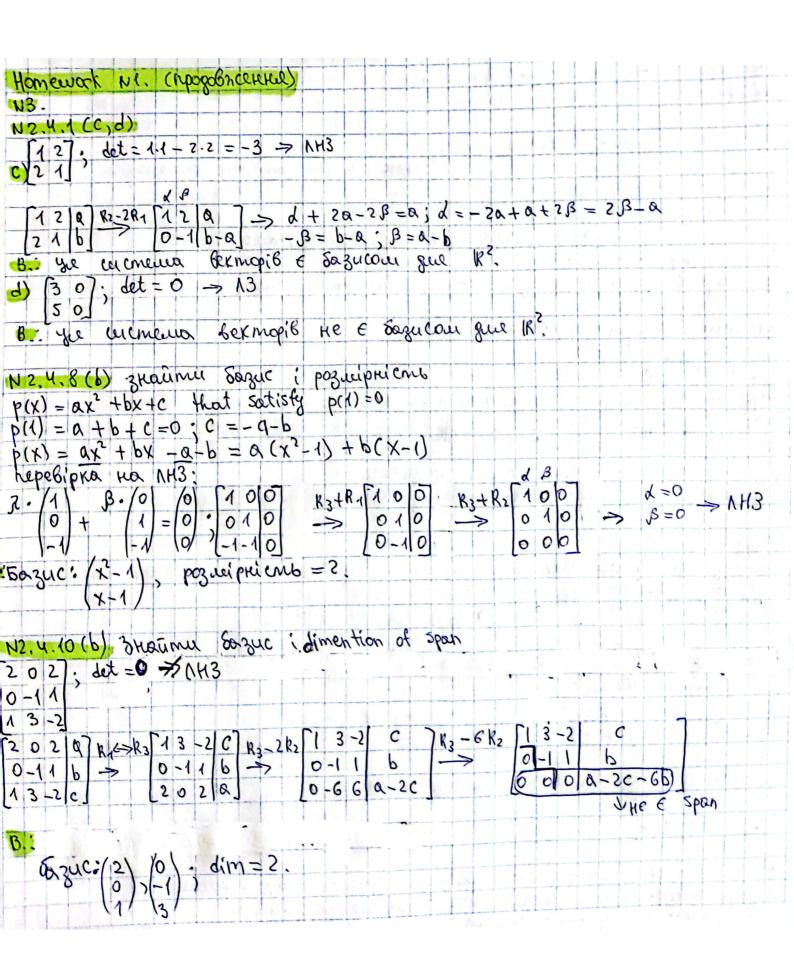
Homework NI
$A = \begin{bmatrix} 3 & 1 & -\overline{z} \\ G & Y & -\overline{z} \end{bmatrix}, b = \begin{bmatrix} -\overline{z} \\ -\overline{z} \\ -\overline{z} \end{bmatrix}$
u: 11=[100] 1 LY = B for Y:
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
В: Сума garona поник сивиентів шаприці И=8; X1=-1, X2=1; , X3=0.
N2. 2.3 3 (b)' Q. $\begin{pmatrix} 1 \\ 2 \\ 2 \end{pmatrix}$ + 6. $\begin{pmatrix} 1 \\ -2 \\ 0 \end{pmatrix}$ + 6. $\begin{pmatrix} 3 \\ -2 \\ 4 \end{pmatrix}$ - 2. $\begin{pmatrix} 1 \\ 2 \\ 0 \end{pmatrix}$ - 2. $\begin{pmatrix} 1 \\ 3 \\ 4 \end{pmatrix}$ - 2. $\begin{pmatrix} 1 \\ 3 \\ 4 \end{pmatrix}$ - 3. $\begin{pmatrix} 1 \\ 2 \\ 4 \end{pmatrix}$ - 4. $\begin{pmatrix} 1 \\ 3 \\ 4 \end{pmatrix}$ - 4. $\begin{pmatrix} 1 \\ 3 \\ 4 \end{pmatrix}$ - 4. $\begin{pmatrix} 1 \\ 3 \\ 4 \end{pmatrix}$ - 4. $\begin{pmatrix} 1 \\ 3 \\ 4 \end{pmatrix}$ - 4. $\begin{pmatrix} 1 \\ 3 \\ 4 \end{pmatrix}$ - 4. $\begin{pmatrix} 1 \\ 3 \\ 4 \end{pmatrix}$ - 4. $\begin{pmatrix} 1 \\ 3 \\ 4 \end{pmatrix}$ - 4. $\begin{pmatrix} 1 \\ 3 \\ 4 \end{pmatrix}$ - 4. $\begin{pmatrix} 1 \\ 3 \\ 4 \end{pmatrix}$ - 4. $\begin{pmatrix} 1 \\ 3 \\ 4 \end{pmatrix}$ - 4. $\begin{pmatrix} 1 \\ 3 \\ 4 \end{pmatrix}$ - 4. $\begin{pmatrix} 1 \\ 3 \\ 4 \end{pmatrix}$ - 4. $\begin{pmatrix} 1 \\ 3 \\ 4 \end{pmatrix}$ - 4. $\begin{pmatrix} 1 \\ 3 \\ 4 \end{pmatrix}$ - 5. $\begin{pmatrix} 1 \\ 4 \\ 4 \end{pmatrix}$ - 6. $\begin{pmatrix} 1 \\ 3 \\ 4 \end{pmatrix}$ - 7. $\begin{pmatrix} 1 \\ 4 \\ 4 \end{pmatrix}$ - 8. $\begin{pmatrix} 1 \\ 4 \end{pmatrix}$ - 9. $\begin{pmatrix} 1 \\ 4 \\ 4 \end{pmatrix}$ - 9. $\begin{pmatrix} 1 \\ 4 \\ 4 \end{pmatrix}$ - 9. $\begin{pmatrix} 1 \\ 4 \end{pmatrix}$ -
Tepe 6 pka: $0,3 \cdot \begin{pmatrix} 1 \\ 2 \\ 2 \end{pmatrix} + 0,7 \cdot \begin{pmatrix} 1 \\ -2 \\ 0 \end{pmatrix} - qq \cdot \begin{pmatrix} 0 \\ 3 \\ 4 \end{pmatrix} = \begin{pmatrix} 0,3 \\ 0,6 \\ 0,6 \end{pmatrix} + \begin{pmatrix} 0,7 \\ -1,4 \\ 0 \end{pmatrix} + \begin{pmatrix} 0 \\ -1,2 \\ -1,6 \end{pmatrix} = \begin{pmatrix} 1 \\ -1 \\ -1 \end{pmatrix}$
* gue somucieus Egue Bukopu cmotro zburaŭkuŭ kanskynimop B.: a=0,3; b=0,7; c=-0,4
N1. Repe bioka: \[\frac{3}{4} - 2 \] \[\frac{-1}{4} - \frac{-3+1}{2} \] \[\frac{-2}{4} - \frac{-3+1}{2} - \frac{-2}{2} \] \[\frac{3}{7} - 1 \] \[\frac{-3}{2} - \frac{-3+1}{2} - \frac{-2}{2} \]
N2.3.7 (a) S the subspace of Mzxz consisting of all symmetric zxz matrices, Show that S is spanned by the matrices (10), (00), (01), (10)
· nokozamu, ap niniaho nezanerchi
$ \begin{pmatrix} a & b \\ b & c \end{pmatrix} = a \cdot \begin{pmatrix} 1 & 0 \\ 0 & 0 \end{pmatrix} + b \cdot \begin{pmatrix} 0 & 1 \\ 1 & 0 \end{pmatrix} + \begin{pmatrix} c & 0 & 0 \\ 0 & 1 \end{pmatrix} = S \text{ is spanned by the matrices;} = \begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix} \\ \begin{bmatrix} a & 0 \\ 0 & 0 \end{bmatrix} + \begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix} = \begin{bmatrix} a & b \\ 0 & c \end{bmatrix} = \begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix} \Rightarrow a = 0, b = 0, c = 0 $

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2.3.8. (b) Do ... spon p(3)
   9-(x3-1) + 6- (x2+1) + 1- (x-1) - x(1) = Lx3+ 0x2 + px+6
    1000 C RutR1
                              1000 C
0100 Q
0100 Q
0010 b
Ry+R; 0010
0901 etr 0001
    d=r, e=a, f=b, k=c+r-a+b
B: 5pon P(3): rx3-r, ax2+a, bx-b, c+r-a+b
 N2.3.X (d,e)
                                   B:2, B=0 => NH3
                              R_3 + R_2 \begin{bmatrix} 1 & 0 & 2 & 0 \\ 0 & -1 & -3 & 0 \end{bmatrix} \Rightarrow -\beta - 38 = 0; 28 = -2; 8 = -\frac{1}{2}; 1 = -28

0 = 0 = 0 \Rightarrow -\beta - 38 = 0; 8 = \beta / -3
 3(-28, -38, 8) 18 € IR} → B.: 13,
N 2.3, 33 (b) buzhorumu zu q-i 143/13
 2+1+Bf2+8+3=0; 2(3x-1)+B(2x2+x)+8(x2-x)=0
 3xd-2+2x2B+xB+x2x-xx=0; x2(2B+x)+x(32+B-x)-2=0.x2+0.x+0
 \frac{2\beta+8=0}{3\lambda+\beta-\gamma=0} \Rightarrow \frac{3\beta=0}{\beta-\gamma} = 0
\frac{3\lambda+\beta-\gamma=0}{\beta-\gamma} \Rightarrow \frac{\beta=0}{\beta-\gamma} = 0
\frac{3\lambda+\beta-\gamma=0}{\beta-\gamma} \Rightarrow \frac{\beta=0}{\beta-\gamma} = 0
 -\lambda = 05\lambda = 0
B.: op-i' NH3, ockinbku koncen koeopiyiEHM -0.
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Homework NY:	N. C	грозобла	tekie)	0 000	-											7 10		
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